Refine Search

Search Results -

Terms	Documents
L7 AND (514/$ OR 560/$ OR 562/$)	16

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L8

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Tuesday, February 05, 2008 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L8	L7 AND (514/$ OR 560/$ OR 562/$)	16	L8
L7	L5 AND PAIN$9 AND INFLAM$9	21	L7
L6	L5 AND PAIN AND INFLAM$9	21	L6
L5	L4 AND URINARY INCONTINENCE	32	L5
L4	L3 AND L2	2255	L4
L3	(N-HYDROXY THIOUREA.TI. OR UREA.TI.) AND AMIDE	2255	L3
L2	(N-HYDROXY THIOUREA OR UREA) AND AMIDE	88358	L2
DB=PGPB; PLUR=YES; OP=ADJ			
L1	20050288369	1	L1

END OF SEARCH HISTORY

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 10 of 16 returned.

☐ 1. Document ID: US 20070244178 A1

L8: Entry 1 of 16 File: PGPB Oct 18, 2007

PGPUB-DOCUMENT-NUMBER: 20070244178
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070244178 A1

TITLE: Process for the Preparation of Indazolyl Ureas that Inhibit Vanilloid Subtypel (VR1) Receptors

PUBLICATION-DATE: October 18, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lukin; Kirill A.	Vernon Hills	IL	US
Hsu; Margaret Chi-Ping	Lake Forest	IL	US
Fernando; Dilinie P.	Lake Forest	IL	US
Kotecki; Brian J.	Oak Creek	WI	US
Leanna; Marvin R.	Grayslake	IL	US

US-CL-CURRENT: 514/406; 548/361.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2. Document ID: US 20070167458 A1

L8: Entry 2 of 16 File: PGPB Jul 19, 2007

PGPUB-DOCUMENT-NUMBER: 20070167458
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070167458 A1

TITLE: Tetrahydro-naphthalene and urea derivatives

PUBLICATION-DATE: July 19, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bouchon; Axel	Koln		DE
Diedrichs; Nicole	Velbert		DE
Hermann; Achim	Duseldorf		DE

Lustig; Klemens	Wuppertal	DE
Meier; Heinrich	Wuppertal	DE
Pernerstorfer; Josef	Hilden	DE
Reissmuller; Elke	Wuppertal	DE
De Vry; Jean	Stolberg	DE
Mogi; Muneto	Ibaraki-ken	JP
Urbahns; Klaus	Lund	SE
Yura; Takeshi	Nara-ken	JP
Fujishima; Hiroshi	Nara-ken	JP
Tajimi; Masaomi	Aichi-ken	JP
Yamamoto; Noriyuki	Osaka-fu	JP
Yuasa; Hiroaki	Kyoto	JP
Gupta; Jang	Dusseldorf	DE
Tsukimi; Yasuhiro	Hyogo-ken	JP
Hayashi; Fumihiko	Tokyo	JP

US-CL-CURRENT: 514/255.01; 544/388, 546/205, 546/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 3. Document ID: US 20070078156 A1

L8: Entry 3 of 16 File: PGPB Apr 5, 2007

PGPUB-DOCUMENT-NUMBER: 20070078156
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070078156 A1

TITLE: Derivatives of n-(1h-indazolyl)-and n-(1h-indolyl)-urea as well as related compounds as modulators of the vanilloid-1 receptor (vr1) for treatment of pain

PUBLICATION-DATE: April 5, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fletcher; Stephen Robert	Bishops Stortford		GB
Hollingworth; Gregory John	Brentwood		GB
Jones; Brian A.	Saffron Walden		GB
Moyes; Richard Christopher	Hertford		GB
Rogers; Lauren	Braintree		GB

US-CL-CURRENT: 514/301; 514/302, 514/303, 546/112, 546/114, 546/116, 546/119, 564/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 4. Document ID: US 20060063775 A1

L8: Entry 4 of 16 File: PGPB Mar 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060063775
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060063775 A1

TITLE: Urea derivatives as calcium channel blockers

PUBLICATION-DATE: March 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pajouhesh; Hassan	Vancouver		CA
Pajouhesh; Hossein	Burnaby		CA
Ding; Yanbing	Vancouver		CA
Snutch; Terrance P.	Vancouver		CA

US-CL-CURRENT: 514/253.12; 514/255.01, 544/360, 544/386

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 5. Document ID: US 20050288369 A1

L8: Entry 5 of 16 File: PGPB Dec 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050288369
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050288369 A1

TITLE: Novel n-hydroxy thiourea, urea and amide compounds and the pharmaceutical compositions comprising the same

PUBLICATION-DATE: December 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lee, Jee-Woo	Seoul		KR

US-CL-CURRENT: 514/534; 514/575, 560/41, 562/621

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 6. Document ID: US 20050187291 A1

L8: Entry 6 of 16 File: PGPB Aug 25, 2005

PGPUB-DOCUMENT-NUMBER: 20050187291
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050187291 A1

TITLE: Aminotetralin-derived urea modulators of vanilloid VR1 receptor

PUBLICATION-DATE: August 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Codd, Ellen	Blue Bell	PA	US
Dax, Scott L.	Landenberg	PA	US
Jetter, Michele	Norristown	PA	US
McDonnell, Mark	Lansdale	PA	US
McNally, James J.	Souderton	PA	US
Youngman, Mark	Warminster	PA	US

US-CL-CURRENT: 514/521; 514/563, 514/595

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 7. Document ID: US 20050154230 A1

L8: Entry 7 of 16 File: PGPB Jul 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050154230
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050154230 A1

TITLE: Urea derivatives

PUBLICATION-DATE: July 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yura, Takeshi	Handa-shi		JP
Mogi, Muneto	Nara-shi		JP
Ikegami, Yuka	Kyoto-shi		JP
Masuda, Tsutomu	Handa-shi		JP
Kokubo, Toshio	Nara-shi		JP
Urbahns, Klaus	Lund		SE
Yoshida, Nagahiro	Soraku-gun		JP
Marumo, Makiko	Nara-shi		JP
Shiroo, Masahiro	Cambridge		GB
Tajimi, Masaomi	Chita-shi		JP
Takeshita, Keisuke	Takamatsu-shi		JP
Moriwaki, Toshiya	Ikoma-shi		JP
Tsukimi, Yasuhiro	Amagasaki-shi		JP

US-CL-CURRENT: 564/52

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 8. Document ID: US 20050119304 A1

L8: Entry 8 of 16 File: PGPB Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050119304
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050119304 A1

TITLE: Urea derivatives

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yura, Takeshi	Aichi-ken		JP
Mogi, Muneto	Nara-ken		JP
Ikegami, Yuka	Kyoto-shi		JP
Masuda, Tsutomu	Aichi-ken		JP
Kokubo, Toshio	Nara-ken		JP
Urbahns, Klaus	Lund		SE
Yoshida, Nagahiro	Kyoto-fu		JP
Marumo, Makiko	Nara-ken		JP
Shiroo, Masahiro	Cambridge		GB
Tajimi, Masaomi	Aichi-ken		JP
Takeshita, Keisuke	Kagawa-ken		JP
Moriwaki, Toshiya	Nara-ken		JP
Tsukimi, Yasuhiro	Hyogo-ken		JP

US-CL-CURRENT: 514/314; 514/367, 514/419

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 9. Document ID: US 20050107388 A1

L8: Entry 9 of 16 File: PGPB May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107388
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050107388 A1

TITLE: Heteroaromatic urea derivatives as vr-1receptor modulators for treating pain

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Brown, Rebecca Elizabeth	Cambridge		GB
Doughty, Victoria Alexandra	Stanstead		GB
Hollingworth, Gregory John	Brentwood		GB
Jones, A. Brian	Saffron Walden		GB
Lindon, Matthew John	Stevenage		GB

Moyes, Christopher Richard	Hertford	GB
Rogers, Lauren	Braintree	GB

US-CL-CURRENT: 514/248; 514/210.21, 514/227.8, 514/232.5, 514/249, 514/252.17, 514/253.06, 514/266.1, 514/310, 514/311, 544/114, 544/126, 544/284, 544/353, 544/363, 544/60

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 10. Document ID: US 20040157865 A1

L8: Entry 10 of 16 File: PGPB Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040157865
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040157865 A1

TITLE: Naphthol, quinoline and isoquinoline-derived urea modulators of vanilloid VR1 receptor

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Codd, Ellen	Blue Bell	PA	US
Dax, Scott L.	Landenberg	PA	US
Jetter, Michele	Lansdale	PA	US
McDonnell, Mark	Souderton	PA	US
McNally, James J.	Warminster	PA	US
Youngman, Mark			US

US-CL-CURRENT: 514/266.1; 514/310, 514/311, 544/286, 546/153

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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Terms	Documents
L7 AND (514/$ OR 560/$ OR 562/$)	16

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Search Results - Record(s) 11 through 16 of 16 returned.

☐ 11. Document ID: US 20030236280 A1

L8: Entry 11 of 16 File: PGPB Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030236280
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030236280 A1

TITLE: Aminotetralin-derived urea modulators of vanilloid VR1 receptor

PUBLICATION-DATE: December 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Codd, Ellen	Blue Bell	PA	US
Dax, Scott L.	Landenberg	PA	US
Jetter, Michele	Norristown	PA	US
McDonnell, Mark	Lansdale	PA	US
McNally, James J.	Souderton	PA	US
Youngman, Mark	Warminster	PA	US

US-CL-CURRENT: 514/310; 514/319, 546/143, 546/205

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 12. Document ID: US 7285563 B2

L8: Entry 12 of 16 File: USPT Oct 23, 2007

US-PAT-NO: 7285563
DOCUMENT-IDENTIFIER: US 7285563 B2

TITLE: Heteroaromatic urea derivatives as VR-1 receptor modulators for treating pain

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050107388 A1	May 19, 2005

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 13. Document ID: US 7183411 B2

L8: Entry 13 of 16 File: USPT Feb 27, 2007

US-PAT-NO: 7183411
DOCUMENT-IDENTIFIER: US 7183411 B2

TITLE: Naphthol, quinoline and isoquinoline-derived urea modulators of vanilloid VR1 receptor

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040157865 A1	August 12, 2004

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 14. Document ID: US 6984647 B2

L8: Entry 14 of 16 File: USPT Jan 10, 2006

US-PAT-NO: 6984647
DOCUMENT-IDENTIFIER: US 6984647 B2

TITLE: Aminotetralin-derived urea modulators of vanilloid VR1 receptor

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20030236280 A1	December 25, 2003

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 15. Document ID: US 5661146 A

L8: Entry 15 of 16 File: USPT Aug 26, 1997

US-PAT-NO: 5661146
DOCUMENT-IDENTIFIER: US 5661146 A

TITLE: Substituted dibenzoxazepine urea compounds, pharmaceutical compositions and methods of use

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 16. Document ID: US 5449675 A

L8: Entry 16 of 16 File: USPT Sep 12, 1995

US-PAT-NO: 5449675
DOCUMENT-IDENTIFIER: US 5449675 A

TITLE: Substituted dibenzoxazepine and dibenzthiazepine urea compounds, pharmaceutical compositions and methods of use

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L7 AND (514/$ OR 560/$ OR 562/$)	16

Display Format: - Change Format

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=> d his

     (FILE 'HOME' ENTERED AT 15:25:46 ON 05 FEB 2008)

     FILE 'CAPLUS' ENTERED AT 15:25:53 ON 05 FEB 2008
L1              STRUCTURE UPLOADED
                S L1

     FILE 'REGISTRY' ENTERED AT 15:26:23 ON 05 FEB 2008
L2           7979 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 15:26:25 ON 05 FEB 2008
L3           1042 S L2 FULL
L4            708 S L3 AND PY<2002
L5            403 S L4 AND (PHENYL? OR BENZYL OR OLEYL)
L6              1 S L5 AND ( TERT-BUTYLPHENYL OR DIMETHYLBENZYL OR OLEYL)

     FILE 'CAPLUS' ENTERED AT 16:37:09 ON 05 FEB 2008
L7              STRUCTURE UPLOADED
                S L7

     FILE 'REGISTRY' ENTERED AT 16:37:56 ON 05 FEB 2008
L8            362 S L7 FULL

     FILE 'CAPLUS' ENTERED AT 16:37:57 ON 05 FEB 2008
L9            110 S L8 FULL
L10            54 S L9 AND PY<2002
L11             1 S L10 AND (BUTYLPHENYL OR DIMETHYLPHENYLPROPYL OR OLEYL)
L12             0 S L10 AND (BUTYLBENZYL OR DIMETHYLPHENYLPROPYL OR OLEYL)

=>
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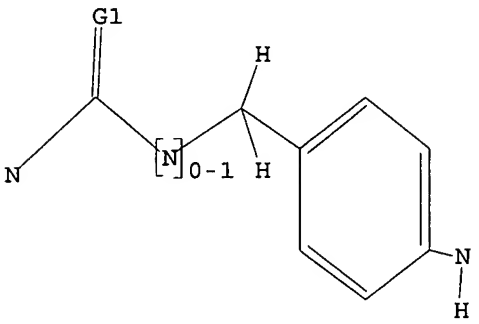
STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 15:26:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 262088 TO ITERATE

100.0% PROCESSED 262088 ITERATIONS 7979 ANSWERS
SEARCH TIME: 00.00.01

L2 7979 SEA SSS FUL L1

L3 1042 L2

=> s l3 and py<2002
21937596 PY<2002
L4 708 L3 AND PY<2002

=> s l4 and (phenyl? or benzyl or oleyl)
858171 PHENYL?
189061 BENZYL
9801 OLEYL
L5 403 L4 AND (PHENYL? OR BENZYL OR OLEYL)

=> s l5 and (tert-butylphenyl or dimethylbenzyl or oleyl)
275795 TERT
11468 BUTYLPHENYL
9542 TERT-BUTYLPHENYL

(TERT(W)BUTYLPHENYL)
5702 DIMETHYLBENZYL
9801 OLEYL
L6 1 L5 AND (TERT-BUTYLPHENYL OR DIMETHYLBENZYL OR OLEYL)

=> d ibib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1949:17410 CAPLUS
DOCUMENT NUMBER: 43:17410
ORIGINAL REFERENCE NO.: 43:3360h-i,3361a-i,3362a-g
TITLE: Biosynthesis of penicillins. V. Substituted phenylacetic acid derivatives as penicillin precursors
AUTHOR(S): Corse, Joseph W.; Jones, Reuben G.; Soper, Quentin F.; Whitehead, Calvert W.; Behrens, Otto K.
SOURCE: Journal of the American Chemical Society (1948), 70, 2837-43
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

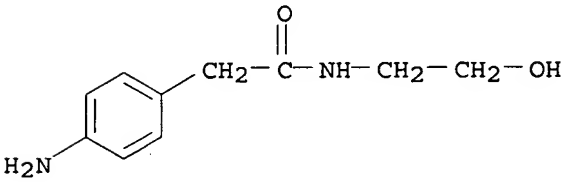
AB cf. C.A. 43, 2274b. A description is given of substituted PhCH2CO2H derivs. which have been tested as precursor substances in the preparation of new penicillins. p-HOC6H4CH2CO2Et (I) (36 g.) and 38 g. PhCH2Cl in 300 mL. absolute EtOH containing 13.3 g. MeONa, refluxed overnight and the ester refluxed overnight with 70 g. KOH in 400 mL. EtOH and 70 mL. H2O, give 15.2 g. (p-benzyloxyphenyl)acetic acid (II), m. 120-1°. I (15.2 g.) in 200 mL. H2O and 48.4 mL. 4.135 N NaOH (stirred in an ice bath), treated dropwise with 12 g. ClCO2Et, the mixture stirred 2 h., and 32 mL. 4 N HCl added, gives (p-carbethoxyoxyphenyl)acetic acid, m. 78-9°. II (15.2 g.) in 30 mL. SOCl2, the mixture kept overnight, the residue treated with 11.7 g. DL-valine and 16 mL. 12 N NaOH in 200 mL. H2O, gives N-(p-benzyloxyphenylacetyl)-DL-valine (III), m. 144-5°, S 1.37 (S is the stimulation; compds. were tested at 0.0008 M concentration; the values represent the ratio units in test container/units in control container). The following analogs of III were prepared (R in RC6H4CH2CONHCH(CHMe2)CO2H) (S is 1 unless otherwise given): o-NO2 m. 173-5°, m-NO2 m. 153-8° (S 0.88), p-NO2 m. 134-5° (S 1.49), o-NH2 m. 238-41° (S 1.37), p-NH2 m. 220-7° (prepared by catalytic reduction of the NO2 derivs.), o-Cl m. 122-4°, p-Cl m. 144-5° (S 1.33), p-CN m. 138-40° (S 1.24), p-I m. 148-50°, p-iso-Pr m. 114-15°, p-MeO m. 129° (S 1.52), 2,4,6-tri-Me m. 130-2° N-(p-nitrophenylacetyl)isoleucine m. 113-15°. The following esters were prepared by treating the substituted PhMe with Br and the resulting PhCH2Br with KCN, hydrolyzing the nitrile with aqueous alc. H2SO4, and esterifying with MeOH-H2SO4: Me (3,4-dibromophenyl)acetate m. 44-5° 3,4,5-tri-Br analog m. 78-9° 4-bromo-3-chloro analog m. 42-3°. Et (o-fluorophenyl)acetate, b24 135-6°, 52%; m-isomer, b28 126-9°, 22%; p-isomer, b31 128-30°, n25D 1.4776, 48%. Et (4-amino-3-nitrophenyl)acetate, bright yellow, m. 80-1° (68% on saturating the acid in EtOH with HCl and standing overnight). 3,4-MeO(O2N)C6H3CH2Cl through the nitrile yields (4-methoxy-3-nitrophenyl)acetic acid, m. 122-5°. MeSPh (24.8 g.), 150 mL. CS2, and 24 g. AcCl at 0°, treated with 30 g. AlCl3 (in portions) and the mixture stirred 4 h., give p-methylmercaptoacetophenone (III), m. 72-5° 49.8 g. III, 9.6 g. S, and 27 mL. morpholine, refluxed overnight, treated with 400 mL. concentrated HCl and 300 mL. H2O, and again refluxed overnight, give 25 g. (p-methylmercaptophenyl)acetic acid,

m. 92-4° Me ester b3 179-81°. m-F3CC6H4CN (51.5 g.) in 50 mL. ether, added (1 h.) to MeMgI (60 g. MeI) and, after 3 h., poured into 500 g. ice and 100 mL. concentrated HCl, gives 50% m-(trifluoromethyl)acetophenone (IV), b. 198-200°. m-F3CC6H4COCl (b750 184-6°, 95.5% yield) (93.5 g.) in 100 mL. ether, added dropwise to CdMe2 (25 mg. Mg, 100 g. MeBr, and 110 g. CdCl2) in 700 mL. ether, gives 91% IV. IV (10 g.), 2 g. S, and 5.3 g. morpholine, heated 16 h. at 135°, treated with 30 mL. AcOH and 50 mL. concentrated HCl, and refluxed 7 h., give 89% [m-(trifluoromethyl)phenyl]acetic acid, m. 72-3°. p-PhOC6H4Ac (60 g.), 13 g. S, and 10 mL. morpholine, refluxed overnight, the crude product hydrolyzed (2 days) by refluxing with 75 g. KOH in 75 mL. H2O and 600 mL. EtOH, and the acid esterified with EtOH and H2SO4, give 25 g. Et (p-phenoxyphenyl)acetate, b0.2 173-4°. p-MeOC6H4CONHC6H4CH2CO2H (m. 211-12°) and excess CH2N2 in MeOH-ether give a quant. yield of the Me ester, m. 162°. Ph2S and AcCl give p-phenylmercaptoacetophenone, b1 180°, which, by the Willgerodt method and esterification, yields Et (p-phenylmercaptophenyl)acetate, b0.65 163°. I (36 g.) in 300 mL. absolute EtOH containing 11 g. MeONa, refluxed overnight with 30 g. Et2N(CH2)3Cl, gives 24 g. Et [p-(3-diethylaminopropoxy)phenyl]acetate, b0.3 145-7° (HCl salt, m. 121°). p-HOC6H4CH2CONHCH2CH2OH (V) (49 g.) in 165 mL. 10% NaOH, treated with PhN2Cl (23 g. PhNH2) at 0°, gives 56.5 g. N-2-hydroxyethyl-α-(4-hydroxy-3-phenylazophenyl)acetamide, m. 180-1.5°. V (49 g.) and 79.7 g. Hg(OAc)2 in 800 mL. 50% EtOH and 40 mL. AcOH, allowed to stand 12 days at room temperature and the solid product heated with 750 mL. 50% EtOH containing 5% AcOH, gives 51.4 g. N-2-hydroxyethyl-α-[3,5-bis-(acetylmercuri)-4-hydroxyphenyl]acetamide, partially m. at 240° (rapid heating). p-tert-BuC6H4Ac (87 g.) through the acid (Willgerodt method), yields 19.4 g. Et (p-tert-butylphenyl)acetate, b0.47 95°. p-tert-AmC6H4Ac (68.5 g.) yields 15 g. Et (p-tert-amylphenyl)acetate, b2 124°. Reaction of I (90 g.) and 70 g. CH2:CHCH2Br, followed by esterification, gives 18.4 g. Et (p-allyloxyphenyl)acetate (VI), b0.5 126-7° oxidation of 44 g. VI in 100 mL. 70% Me2CO with 22 g. KMnO4 in 300 mL. 70% Me2CO (with addition of 8 g. AcOH to the mixture) yields 24.8 g. Et [p-(2,3-dihydroxypropoxy) phenyl]acetate, b0.2 200°. N-2-Hydroxyethyl amides, RC6H4CH2CONHCH2CH2OH, were prepared by heating the above and other esters with excess H2NCH2CH2OH overnight on the steam bath or several hrs. at 110-20° (R given; S is 1 unless otherwise given): p-acetamido m. 145-6°, p-allyloxy m. 84-5° (S 1.23), 4-amino-3-nitro m. 132°, p-NH2 m. 103-4° (S 1.14), p-tert-Am oil, p-anisoylamino m. 210-11°, 4-bromo-3-chloro m. 104-6° (S 1.71), o-Br m. 106-7°, m-Br m. 129-30° (S 2.21), p-Br m. 108-9° (S 2.90), p-tert-Bu, oil, o-Cl m. 99-100°, m-Cl m. 114-17° (S 1.84), p-Cl m. 90-1° (S 1.97), 3,5-bis(acetylmercuri)-4-hydroxy, 3,5-dibromo-4-hydroxy m. 200-2°, 3,4-di-Br m. 125-7°, 2,4-di-Cl m. 118-19°, 3,4-di-Cl m. 113-14° (S 2.10), p-(3-diethylaminopropoxy) oil, p-(2,3-dihydroxypropoxy) oil (S 1.20), 3,5-diiodo-4-hydroxy m. 179-80°, 2,3-di-MeO m. 93°, 3,4-di-MeO m. 96-8°, 3,4-di-Me m. 99-100° (S 1.27), p-EtO m. 90-1° (S 1.26), o-F m. 103-5° (S 1.23), m-F m. 75-7° (S 1.93), p-F m. 75° (S 1.54), o-HO oil (S 1.24), m-HO m. 92-3° (S 1.13), p-HO m. 110-12°, p-(2-hydroxyethylcarbamyl) m. 157-8°, 4-hydroxy-3-phenylazo m. 180-1.5°, m-I m. 127-9° (S 1.75), p-I m. 112-13° (S 1.83), 5-isopropyl-2-Me oil, p-iso-Pr oil (S 1.33), o-MeO oil, m-MeO m. 59°, p-MeO m. 86-8° (S 1.22), 3,4-methylenedioxy m. 99-100°,

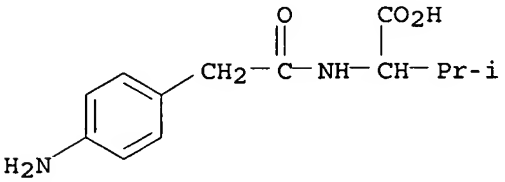
p-methylmercapto m. 115-17° (S 1.49), 4-methoxy-3-nitro m. 69°, o-Me m. 63-4° (S 1.36), m-Me oil (S 1.39), p-Me m. 76-8° (S 1.69), p-NO2 m. 140-2°, p-PhO m. 95° (S 1.64), p-phenylmercapto m. 89-90°, p-Ph m. 172-5° (S 0.87), 3,4,5-tri-Br m. 212-13° (S 0.33), m-F3C oil (S 1.28), 2,4,6-tri-Me m. 144-5°. N-Allyl-α-(p-hydroxyphenyl)acetamide m. 84-6°. N-(2-Aminoethyl)-α-(p-methoxyphenyl)acetamide-HCl m. 135-8° (S 1.34). PhCH2CS2Me (18.2 g.) in 15 g. MePrNH on heating to boiling gives 86% N-methyl-N-propyl-α-phenylthioacetamide, b1.5 155-8°, n24.5D 1.5876. The following phenylthioacetyl derivs. were prepared by exactly neutralizing the amino acid with 4 N NaOH, diluting with an equal volume of EtOH, adding 10% molar excess PhCH2CS2Me, and shaking for a few min. to several hrs.: D-penicillamine m. 132-3°, 55%; L-isomer m. 133-4°, 61%; β,β-diethoxyalanine, with 0.5 mol. H2O, m. 67.5-8°, 84%; DL-valine m. 102-3°, 95%; DL-isoleucine m. 95-6°, 75%. Details are given of the formation of p-HOC6H4CH2CONHCH2CH2OH. From the results of the S data it is difficult to draw any generalizations. Both the kind and position of the substituents had a marked influence upon the ability of the compound to act as a penicillin precursor. That the nature of the PhCH2CO2H derivative had a profound influence upon its utilization by the mold was illustrated in several cases.

IT 167613-92-5P, Acetamide, 2-(p-aminophenyl)-N-2-hydroxyethyl-
855701-79-0P, Phenaceturic acid, p-amino-α-isopropyl-
855925-26-7P, Acetamide, 2-(4-amino-3-nitrophenyl)-N-2-hydroxyethyl-
RL: PREP (Preparation)
(preparation of)

RN 167613-92-5 CAPLUS
CN Benzeneacetamide, 4-amino-N-(2-hydroxyethyl)- (CA INDEX NAME)



RN 855701-79-0 CAPLUS
CN Phenaceturic acid, p-amino-α-isopropyl- (5CI) (CA INDEX NAME)



RN 855925-26-7 CAPLUS
CN Acetamide, 2-(4-amino-3-nitrophenyl)-N-2-hydroxyethyl- (5CI) (CA INDEX NAME)